Index of Claims

Application No.

Robert A Hopkins

10/816,840

Examiner

Applicant(s)

CONRAD ET AL.

Art Unit

1724

✓ Rejected= Allowed

- (Through numeral)
Cancelled

Restricted

N Non-Elected

I Interference

A Appeal
O Objected

| The color of the | Claim Date |   | te j, i  | Claim Date             |          |   |               | Claim |        |          | Date        |                   |                     |          |   |                   |
|--|------------|---|--|------------------------|----------|---|---------------|-------|--------|----------|-------------|-------------------|---------------------|----------|---|-------------------|
| S2   | Final      | 8/17/04   |  | Final                  | Original |   |               |       | Final  | Original |             |                   |                     |          |   | :                 |
| S2   | 1          | 11111   |  |                        | 51       | <del> - - - - - - - - - - - - - - - - - - -</del> | +             |       |        | 101      |             | +                 |                     | _        | +   | +                 |
| 3   4   4   7   54   7   104   105   66   7   7   7   7   7   7   7   7  | 2          | 1   |  |                        |          |   |               |       |        |          |             |                   | П                   |          | $\top$  | $\top$            |
| S  | 3          |   |  |                        | 53       |   | $\Box$        |       |        | 103      |             | 1                 |                     |          | T   | $\top$            |
| 6   V  |            |   |  |                        |          |   |               |       |        |          |             |                   |                     |          | $\perp$   |                   |
| T   V   S   S   S   S   S   S   S   S   S  |            |   |  |                        | 55       |   |               |       |        |          |             |                   |                     |          | $\perp$   |                   |
| S  |            | <del>                                      </del> |  |                        |          |   |               | 1     |        |          | $\perp$     | $\perp$           | Ш                   | _        | 丄   |                   |
| 9   V   109   110   110   111   110   111   111   111   112   111   112   111   112   111   112   111   113   114   V   662   663   664   665   665   666  |            |   |  |                        |          |   | $\perp \perp$ |       |        |          |             | 4                 | Ш                   |          | 1   | ┸                 |
| 10    V  |            |   |  |                        |          |   |               |       |        |          |             |                   |                     |          | 4   | $\bot$            |
| 11    V  |            |   |  |                        |          | <del>                                     </del>  |               | -     |        |          |             |                   | Н                   | -        | +   | +-                |
| 12   V   |            |   | <del>                                     </del> |                        |          | <del>                                     </del>  |               | -     |        |          | -  -        |                   | $\vdash$            | +        | +   | +                 |
| 13   |            |   |  |                        |          |   |               | - 1   |        |          | ++          | -                 |                     |          | ╀   | +-                |
| 14         √         64         114         115         √         115         √         115         116         115         116         115         116         116         117         116         116         117         118         118         118         118         118         119         120         120         120         120         120         120         120         120         121         122         122         122         122         122         122         123         123         123         123         123         124         124         124         124         124         124         124         125         126         126         127         127         127         127         127         127         127         127         127         127         127         127         127         128         128         128         129         129         130         130         131         131         131         131         131         131         131         131         131         133         133         133         133         133         133         133         133         133         133         134         134         135  |            |   |  | -                      |          | <del>                                     </del>  | ++            | +     |        |          |             | +                 | $\vdash$            |          | +-  | +-                |
| 15   V   |            |   |  | -                      |          | <del>                                     </del>  | +             | ŀ     |        |          |             | +                 | $\vdash$            | +        | +   | +                 |
| 16   |            |   |  | $\vdash$               |          | <del>                                     </del>  | +             | ŀ     |        |          | ++          | +                 | $\vdash$            | +        | +   | +                 |
| 17   |            |   |  | $\vdash$               |          |   | +             | 1     |        |          |             | +                 | +                   |          | 十   | +                 |
| 18   |            |   |  |                        |          |   | +             | -     |        |          |             | +-                | Н                   | +        | +   | +                 |
| 19       69       119         20       70       120         21       71       121         22       72       122         23       73       123         24       74       124         25       75       125         26       76       126         27       77       127         28       78       128         29       79       129         30       80       130         31       81       131         32       82       132         33       83       133         34       84       134         35       85       135         36       86       136         37       87       137         38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       94       144  |            | <del>                                     </del>  | <del>                                     </del> |                        |          |   | +             | 1     |        |          | 11          | +                 | $\vdash$            | _        | +-  | +                 |
| 20         70         120         121         121         121         121         122         122         122         123         123         123         123         123         123         123         124         124         124         124         124         124         125         125         125         126         126         127         127         127         127         127         128         128         129         129         130         130         130         130         130         130         130         131         131         131         131         131         131         132         132         132         133         133         133         133         133         133         133         134         134         134         134         134         135         135         135         135         135         136         136         136         136         136         136         137         137         137         138         139         140         140         141         141         141         141         141         142         142         142         142         143         143         144         144         144  |            |   |  |                        |          | <del>                                     </del>  | 11            | ۱, ۱  | $\neg$ |          |             | Ť                 |                     |          | +-  | +                 |
| 21         71         121         122         122         122         122         123         123         123         124         124         124         124         124         125         125         125         125         125         125         125         125         125         126         126         127         127         127         127         128         128         128         129         130  |            |   |  |                        |          |   | 11.           |       |        |          |             | 1                 | Н                   |          | $\top$  | +                 |
| 22         72         122         123           24         74         124         124           25         75         125         125           26         76         126         127           27         77         127         127           28         79         129         129           30         80         130         130           31         81         131         131           32         82         132         132           33         83         133         133           34         84         134         134           35         85         135         136           37         87         137         138           39         89         139         139           40         90         140         141           41         91         141         141           92         142         92         143           44         94         144         144  |            |   |  |                        |          |   | 77            |       |        |          |             |                   |                     |          | +   | +                 |
| 23       73       123         24       74       124         25       75       125         26       76       126         27       77       127         28       78       128         29       79       129         30       80       130         31       81       131         32       82       132         33       83       133         34       84       134         35       85       135         36       86       136         37       87       137         38       88       138         39       90       140         41       91       141         42       92       142         43       93       143         44       94       144  |            |   |  |                        |          |   | 77            |       |        |          |             | 1                 |                     | _        | Ť   | $\top$            |
| 24         74         124           25         75         125           26         76         126           27         127         127           28         78         128           29         79         129           30         80         130           31         81         131           32         82         132           33         83         133           34         84         134           35         85         135           36         86         136           37         87         137           38         88         138           39         89         139           40         90         140           41         91         141           42         92         142           43         94         144   | 23         |   |  |                        |          |   |               | 1     |        |          | 1-1-        | $\top$            |                     |          | T   | 1                 |
| 26         76         126           27         77         127           28         78         128           29         79         129           30         80         130           31         81         131           32         82         132           33         83         133           34         84         134           35         85         135           36         86         136           37         87         137           38         88         138           39         89         139           40         90         140           41         91         141           42         92         142           43         93         143           44         94         144  |            |   |  |                        |          |   |               |       |        | 124      |             | 1                 |                     |          | T   |                   |
| 27         77         127           28         78         128           29         79         129           30         80         130           31         81         131           32         82         132           33         83         133           34         84         134           35         85         135           36         86         136           37         87         137           38         88         138           39         89         139           40         90         140           41         91         141           42         92         142           43         93         143           44         94         144  | 25         |   |  |                        |          |   |               |       |        | 125      |             |                   |                     |          | T   |                   |
| 28         78         128           29         79         129           30         80         130           31         81         131           32         83         132           33         83         133           34         84         134           35         85         135           36         86         136           37         87         137           38         88         138           39         89         139           40         90         140           41         91         141           42         92         142           43         93         143           44         94         144  |            |   |  |                        |          |   |               |       |        | 126      |             |                   |                     |          | Т   |                   |
| 29     79       30     80       31     81       32     82       33     83       34     84       35     85       36     86       37     87       38     138       39     88       40     90       41     91       42     92       43     94       141     142       43     94   |            |   |  |                        |          |   |               |       |        |          |             |                   |                     |          |   |                   |
| 30     80       31     81       32     82       33     83       34     84       35     85       36     86       37     87       38     88       39     89       40     90       41     91       42     92       43     93       44     94  |            |   |  |                        |          |   |               |       |        | 128      |             |                   |                     | $\cdot$  | $\mathbb{L}$                                      |                   |
| 31       81       131         32       82       132         33       83       133         34       84       134         35       85       135         36       86       136         37       87       137         38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144  |            |   |  |                        |          |   |               |       |        |          |             | 1.                |                     |          | L   |                   |
| 32       82       132         33       83       133         34       84       134         35       85       135         36       86       136         37       87       137         38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144  |            |   |  |                        |          |   |               | L     |        |          |             |                   |                     | ┸        | L   |                   |
| 33       83       133         34       84       134         35       85       135         36       86       136         37       87       137         38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144  |            |   |  | <b></b>                |          |   |               |       |        |          |             | 1_                | Щ                   |          | ┺   | 1                 |
| 34       84       134         35       85       135         36       86       136         37       87       137         38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144  |            |   |  |                        | 82       |   | Ш             |       |        |          |             |                   | Ш                   |          | ↓_  | $\perp$           |
| 35     85       36     86       37     87       38     88       39     89       40     90       41     91       42     92       43     93       44     94  |            | <del>                                     </del>  |  | $\vdash \vdash$        |          | + + + + + + + + +                                 | 4-4           | ŀ     |        |          |             | _                 | Ц                   |          | $\perp$   | ╀                 |
| 36     86       37     87       38     88       39     89       40     90       41     91       42     92       43     93       44     94  |            | <del>  - - -</del>                                |  |                        | 84       | <del>                                     </del>  | 44            | ŀ     |        | 134      |             | -                 | $\vdash \downarrow$ | $\perp$  | +   | <del> </del>      |
| 37     87       38     88       39     89       40     90       41     91       42     92       43     93       44     94  |            | <del> - - - -</del>                               |  |                        |          | <del>                                     </del>  | +-            | 1     |        |          | ++          | +                 | $\vdash \vdash$     | - -      | +   | ₩                 |
| 38     88       39     89       40     90       41     91       42     92       43     93       44     94  |            | <del>                                     </del>  |  | $\vdash$               |          | <del>                                     </del>  |               | ŀ     |        |          | +           | +                 | $\dashv$            | +        | ╀   | +                 |
| 39     89       40     90       41     91       42     92       43     93       44     94  |            | <del>                                     </del>  |  |                        |          | <del>                                     </del>  | +-            | +     |        |          | ++          | +                 | $\vdash \vdash$     | +        | ┼   | ╄                 |
| 40     90       41     91       42     92       43     93       44     94  |            | <del>                                     </del>  |  | $\vdash$               | 80       | <del>             </del>                          | +             | ŀ     |        |          |             | +                 | $\vdash \vdash$     | +        | +   | ╀                 |
| 41     91     141       42     92     142       43     93     143       44     94     144  |            | <del>                                      </del> |  | $\vdash$               | 90       | <del>                                     </del>  | +             | +     |        |          |             | +                 | $\vdash$            | +        | +   | +                 |
| 42     92       43     93       44     94  |            | +           |  | $\vdash$               |          | <del>                                     </del>  | ++            | -     |        | 1/11     | ++          | +-                | ⊣                   | $\dashv$ | +   | +                 |
| 43 93 143 144 144 144 144 144 144 144 144 14   | 42         | <del>                                     </del>  | <del>                                     </del> | <b></b>                | 92       | <del>                                     </del>  | ++            | ÷     |        | 142      | +           | +                 | $\vdash$            | $\dashv$ | +   | +                 |
| 44 94 144  |            | <del>                                     </del>  | <del>                                     </del> | $\vdash \vdash \vdash$ |          | <del>                                     </del>  | +             | 1     |        | 143      | +           | +                 | $\vdash$            | +        | +   | +                 |
|  |            | <del>                                     </del>  |  |                        | 94       | <del>                                     </del>  | ++            | 1     |        |          |             | +                 | $\dashv$            |          | +   | $\forall$         |
| 45 95 145  | 45         | <del>                                     </del>  |  |                        |          | <del>                                     </del>  | 11            | 十     |        | 145      | ++          | +-                | $\dashv$            | +        | +-  | +-                |
| 46 96 146  | 46         | <del>                                     </del>  |  |                        | 96       |   | 77            | 1     | _      | 146      | ++          | +-                | +                   | +        | +   | +                 |
| 47 97 147  | 47         | 1      - -  |  |                        |          | <del>                                     </del>  |               | 十     |        | 147      | 1-1-        | +                 |                     | +        | <del>                                      </del> | $\top$            |
| 48 98 148  | 48         |   |  |                        |          |   |               |       |        | 148      | +           | +                 | $\vdash$            | +        | +   | $\dagger \exists$ |
| 49 99 149 149  | 49         |   |  |                        | 99       |   |               | -     |        | 149      |             | $\top$            | $\dashv$            | 7        | $t^{-}$   | +                 |
|  | 50         |   | d  |                        | 100      |   | $\top$        | 4     |        | 150      | $\top \top$ | $\dagger \exists$ | $\dashv$            |          | 1   | $\top$            |